

**ELECTRICALLY CONDUCTIVE SLIDING MATERIAL COMPOSITION**

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**Abstract**

**PURPOSE:**An electrically conductive sliding material composition, obtained by adding an Ni-coated solid lubricant, carbon fibers, Ni-coated wollastonite, polytetrafluoroethylene resin and molybdenum disulfide to polyphenylene sulfide resin and having improved sliding characteristics and electric conductivity at the same time.

**CONSTITUTION:**An electrically conductive sliding material composition obtained by adding (A) 15-30wt%, based on the total composition, solid lubricant, e.g. mica or graphite, having the surface coated with Ni by the electric or chemical plating, (B) 8-18wt%, based on the total composition, carbon fibers, (C) 5-25wt% based on the total composition, crystals of wollastonite or potassium titanate having the surface coated with Ni, (D) 2-15wt%, based on the total composition, powdery or fine powdery polytetrafluoroethylene resin and (E) 2-7wt% fine powdery molybdenum disulfide to polyphenylene sulfide resin. Preferred amounts of the components are as follows, 15-25wt% component (A), 8-13wt% component (B), 8-15wt% component (C), 5-12wt% component (D) and 3-6wt% component (E).

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